MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

SEPTEMBER, 1931

J. A. BROWN, DIRECTOR

Printed at the American Press
Beirut, Syria

SEPTEMBER 1931
METEOROLOGICAL REGISTER

Date	Barometer reduced to o°C Sea level and 45° Latitude				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min	8:30	14:30	20:30	Mean
1	757.8	756.8	757.0	757.2	31.4	24.3	28.2	27.9	25.9	27.3
2	757.6	756.4	756.1	756.7	32.4	24.9	28.9	31.3	28.3	29.5
3	755.5	755.4	756.4	755.8	32.3	25.7	29.6	31.6	27.3	29.5
4	756.3	755.2	755.7	755.7	32.2	24.9	29.4	32.1	26.9	29.5
5	756.3	755.5	755.9	755.9	31.6	23.4	28.9	28.3	25.5	27.6
6	756.5	755.6	755.7	755.9	32.0	23.6	28.6	31.3	26.3	28.7
7	755.7	755.1	754.9	755.2	32.6	23.6	26 5	32.2	27.2	28.6
8	754.7	754.0	754.7	754.5	32.4	23.9	29.3	31.6	27.1	29.3
9	755.7	755.3	756.6	755.9	32.0	24.7	29.4	30.5	27.2	29.0
10	757.3	757.3	757.4	757.3	32.1	24.6	29.3	30.9	26.7	29.0
11	758.1	757.6	758.0	757.9	32.3	25.0	29.4	32.3	26.1	29.2
12	758.5	557.7	756.4	757.5	31.4	24.2	28.3	31.1	26.6	28.7
13	756.1	756.5	756.9	756.5	32.6	23.3	28.9	30.6	27.8	29.1
14	757.0	756.7	757.5	757.1	34.8	25.9	31.5	34.4	29.8	31.9
15	758.4	758.1	758.0	758.2	38.8	29.2	34.2	36.3	30.0	33.5
16	759.2	758.5	758·3	758.7	32.8	26.4	30.0	32.3	26.6	29.6
17	758.3	757.6	757.1	757.7	32.4	25.0	28.7	31.2	27.3	29.1
18	757.4	757.1	757.5	757.3	33.7	25.1	30.5	31.6	26.7	29.6
19	757.4	757.3	757.5	757.4	38.5	25.6	31.8	32.8	28.6	31.1
20	758.6	758.1	757.6	758.1	38.3	26.7	30.2	32.3	27.8	30.1
21	757.3	756.3	757.5	757.0	31.2	25.9	29.2	30.7	26.5	28.8
22	757.6	757.1	757.6	757.4	31.0	23.4	28.4	30.1	25.3	27.9
23	759.5	760.2	761.1	760.3	29.9	24.1	25.6	29.4	25.2	26.7
24	761.3	760.4	761.0	760.9	30.4	22.6	27.5	30.0	24.9	27.5
25	761.2	760.4	761.0	760.9	30.6	23.8	28.9	30.2	25.5	28.2
26	759.4	758.9	759.1	759.2	27.8	25.0	27.7	27.3	24.4	26.5
27	759.6	759.9	760.7	760.1	28.2	23.2	25.9	27.7	24.3	26.0
28	761.5	761.3	762.7	761.8	28.1	23.2	26 3	27.8	23.2	25.8
29	763.3	761.7	762.7	762.6	28.3	21.3	26.1	27.9	22.6	25.5
30	761.8	760.8	760.8	761.1	28.0	19.9	25.8	27.4	22.6	25.3
	758.16	757.63	757.98	757.93	32. 00	24.41	28.76	30.70	26.34	28.60

Barometer, Range for month 754 0-763.3 m.m.

„ 50-yr. average for month 758.957 m.m.

Thermometer, Range for month 19.9-38 8

„ 50-yr. average for month 27.°13 C.

Rain, total for month 8.56 m.m.

„ , 50-yr average for month 7.37 m.m.

„ , total Sept. 1st to end of month 8.56 m.m.

„ ,50-yr. average, Sept. 1st to end of month. 7.37 m.m

SEPTEMBER 1931

METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor m.m.				Relative Moisture per cent.				Sun hrs.	Rain m.m.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	22.0	23.2	22.2	15.3	17.4	17.0	16.6	54	62	69	62	11.2	
2	23.8	25.3	21.8	17.9	19.1	14.9	17.3	60	56	52	56	11.1	
3	24.7	25.7	24.2	19.0	19.5	19.8	19.4	61	57	73	64	10.9	
4	24.1	24.7	25.3	18.1	17.5	22.5	19.4	60	50	86	65	10.5	
5	23.0	23.7	22.1	16.5	18.0	17.0	17.2	55	62	70	62	11.1	
6	23.8	24.4	23.3	18.1	17.3	18.8	18.1	62	51	74	62	10.0	
7	24.1	25.6	23.9	20.0	18.9	19.3	19.4	78	53	72	68	10.4	
8	24.4	25.2	23.9	18.7	18.7	19.3	18.9	62	54	73	63	10.7	
9	24.3	25.3	24.4	18.5	19.6	20.3	19.5	61	60	76	66	8.1	
10	24.7	25.2	23.7	19.4	19.2	19.2	19.3	64	57	73	65	9.9	
11	24.1	25.4	23.0	18.0	18.7	18.4	18.4	59	52	73	61	9.8	
12	23.3	25.0	24.4	17.4	18.7	20.8	19.0	60	55	80	65	10.2	
13	23.0	25.7	25.9	16.5	20.3	23.1	20.0	55	62	84	67	10.3	
14	27.6	25.6	20.8	23.8	17.4	12.7	18.0	69	43	41	51	11.5	
15	22.4	24.1	23.8	12.9	14.4	17.2	14.8	32	32	55	40	10.6	
16	26.2	27.1	25.4	21.8	21.9	22.9	22.2	68	60	89	72	10.3	
17	25.0	26.4	25.6	20.3	21.5	22.8	21.5	69	63	85	72	10.2	
18	25.4	27.8	26.0	22.5	24.0	24.3	23.6	60	70	93	74	10.4	
19	24.4	27.6	25.9	17.1	22.6	22.4	20.7	49	61	77	62	10.3	
20	26.4	27.6	25.5	22.2	23.0	22.1	22.4	69	68	80	71	9.4	
21	24.3	24.1	23.1	18.6	17.3	18.3	18.1	62	52	70	61	9.7	
22	23.6	23.6	22.9	17.8	16.8	18.8	17.8	62	54	78	65	8.6	
23	22.2	22.4	20.6	17.2	15.2	14.7	15.7	71	50	62	61	8.8	4.11
24	21.6	23.6	21.6	15.0	16.7	16.6	16.1	55	53	71	60	9.8	
25	23.4	23.9	20.7	17.1	17.3	14.7	16.4	57	54	60	57	9.6	
26	22.2	21.6	18.6	15.9	15.1	12.3	14.4	58	56	54	56	6.1	4.45
27	18.7	19.4	18.5	11.7	11.8	11.9	11.8	47	43	53	48	7.8	
28	19.1	19.5	18.3	11.9	11.8	12.5	12.1	47	42	60	50	7.5	
29	19.3	19.9	18.4	12.4	12.3	13.0	12.6	49	44	64	52	8.8	
30	19.8	20.5	18.8	13.3	13.4	13.6	13.4	54	49	67	57	9.6	
	20.36	24.30	22.74	17.50	17.86	18.05	17.80	59.0	54.0	70.4	61.1	9.77	0.285

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

SEPETMBER 1931

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	1stci	0	0	0.3	1nw	0	0	33.8	calm	
2	0	0	0	0 0	2nw	1sw	4ne	82.1	moderate	
3	0	0	1st	0.3	4ne	2ne	0	188.3	rough	
4	2st	0	5st	2.3	0	1w	1w	220.5	light	
5	0	1st	0	0.3	1w	2nw	0	194.7	„	
6	4stcu	9st	8st	7.0	2w	1sw	0	157.7	calm	
7	1st	1st	8st	1.3	1sw	2sw	1sw	265.5	„	
8	2stcu	1cu	8st	3.7	2sw	3nw	1sw	347.7	light	
9	2cu	9st	2st	4.3	1sw	2w	0	254.3	slight	
10	4st	7st	2st	4.0	1w	2w	2sw	276 8	„	
11	2cu	3stcu	0	1.7	2sw	2sw	0	534.3	light	
12	0	2stcu	8st	3.3	1nw	1w	1nw	98.2	slight	
13	0	0	0	0.0	2sw	2n	1n	114.3	„	
14	0	0	0	0.0	2sw	0	0	53.1	„	Sirocco
15	0	0	0	0.0	1w	0	0	56.3	calm	„
16	0	0	0	0.0	2sw	1nw	0	505.3	„	
17	2st	0	0	0.7	1w	2w	2ne	41.8	light	
18	0	0	0	0.0	0	1ne	0	37.0	slight	
19	0	2stci	2ci	1.3	1sw	2ne	1ne	57.9	moderate	
20	5cu	6stcu	8stni	6.3	0	0	0	115.9	light	
21	2cu	1stcu	5ci	2.7	1sw	3w	0	212.4	„	
22	0	8st	0	2.7	2w	3nw	0	186.7	„	
23	4stni	3stcu	5stci	4.0	2nw	1ne	0	141.6	slight	
24	0	0	0	0 0	0	0	0	146.4	c	
25	3cu	2stcu	5stcu	3.3	1w	3nw	0	260.7	light	
26	9stni	5st	4stni	6.0	2sw	5w	1w	432.9	rough	
27	3stni	3stcu	9ni	5.0	4w	4nw	2w	455.4	„	
28	2stcu	2cu	2st	2.0	1nw	2w	0	394.2	moderate	
29	6ni	1st	8st	5.0	0	4w	0	321.9	slight	
30	2cu	0	0	0.0	0	2nw	0	280.0	calm	
					40	54	17			
				2.25	1.3	1.8	0.6	215.59		

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Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	1	0	0	0	10	8	5	6
14:30	1	4	0	0	0	4	9	7	5
20.30	1	3	0	0	0	3	3	1	19
Totals	2	8	0	0	0	17	20	13	30

Number of days with rain 2, fog 0, thunderstorms 0, gales 0

50-yr average number of days with rain during month 1.2